

RECEIVED
CENTRAL FAX CENTER

JUL 05 2005

To: Examiner Herng Der Day

From: E. Eugene Thigpen

Subject: U. S. Patent Application 09/498,012

PTO/SB/21 (09-04)

Approved for use through 07/31/2003. OMB 0851-0031
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no person is required to respond to a collection of information unless it displays a valid OMB control number.

TRANSMITTAL
FORM

(to be used for all correspondence after initial filing)

Total Number of Pages in This Submission

6

Application Number	09498,012
Filing Date	February 04, 2000
First Named Inventor	Jarchow, Craig M.
Art Unit	2128
Examiner Name	Doy, Homa Ddr

Attorney Docket Number APA-001

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form <input type="checkbox"/> Fee Attached <input checked="" type="checkbox"/> Amendment/Reply <input type="checkbox"/> After Final <input type="checkbox"/> Affidavits/declaration(s) <input type="checkbox"/> Extension of Time Request <input type="checkbox"/> Express Abandonment Request <input type="checkbox"/> Information Disclosure Statement <input type="checkbox"/> Certified Copy of Priority Document(s) <input type="checkbox"/> Reply to Missing Parts/ Incomplete Application <input type="checkbox"/> Reply to Missing Parts under 37 CFR 1.52 or 1.53	<input type="checkbox"/> Drawing(s) <input type="checkbox"/> Licensing-related Papers <input type="checkbox"/> Petition <input type="checkbox"/> Petition to Convert to a Provisional Application <input type="checkbox"/> Power of Attorney, Revocation <input type="checkbox"/> Change of Correspondence Address <input type="checkbox"/> Terminal Disclaimer <input type="checkbox"/> Request for Refund <input type="checkbox"/> CD, Number of CD(s) _____ <input type="checkbox"/> Landscape Table on CD	<input type="checkbox"/> After Allowance Communication to TC <input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences <input type="checkbox"/> Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) <input type="checkbox"/> Proprietary Information <input type="checkbox"/> Status Letter <input type="checkbox"/> Other Enclosure(s) (please identify below):
<input type="checkbox"/> Remarks Total 6 pages includes transmittal form and amendment reply.		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm Name	E. Eugene Thigpen, Attorney	
Signature		
Printed name	E. Eugene Thigpen	
Date	July 5, 2005	Reg. No. 27,400

CERTIFICATE OF TRANSMISSION/MAILING

I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature

Typed or printed name

E. Eugene Thigpen

Date July 5, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

In the United States Patent and Trademark Office**RECEIVED
CENTRAL FAX CENTER****JUL 05 2005**

In re application of: § Group Art Unit: 2128
Craig M. Jarchow §
§
Serial No: 09/498,012 § Examiner: Day, Heng Der
§
Filed: February 4, 2000 § Attorney Docket No. APA-001

Title: System for Estimating Thickness of Thin Subsurface Strata

Mail Stop Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

SUPPLEMENTAL RESPONSE TO
REPLY UNDER 37 CFR § 1.111

Sir:

(A) Introductory Comments

The following is a supplemental amendment to the amendment transmitted to the USPTO by first class mail on May 31, 2005. The amendments shown in the following claims are based on the claims submitted with said May 31, 2005 response to Office Action.

**Amendments to the claims begin on page 2 of this response
Remarks begin on page 5 of this response**